

IDENTIFICATION OF A CULTURE MEDIUM COMPONENT BASED ON
PARAMETERS OF MEDIUM COMPONENTS

MEASURE FIRST INDICIA OF A PROPERTY OF A FIRST PLURALITY
OF CULTURE MEDIA WHICH EACH CONTAINS A FIRST TEST
COMPOUND CHOSEN FROM A FIRST TEST LIBRARY BASED ON A
SPACE-FILLING TECHNIQUE

DETERMINE A RELATIONSHIP BETWEEN AT LEAST ONE
PARAMETER OF THE FIRST TEST COMPOUNDS AND THE
MEASURED INDICIA OF THE PROPERTY, WHERE THE
RELATIONSHIP IS REPRESENTED BY $\hat{y}_i = f(x_{ij})$, WHERE x_{ij} DENOTES
A PARAMETER, i RANGES FROM 1 TO n WHERE n REPRESENTS
THE NUMBER OF FIRST CULTURE MEDIA IN THE PLURALITY
THEREOF, j RANGES FROM 1 TO d WHERE d REPRESENTS THE
NUMBER OF PARAMETERS, AND \hat{y}_i REPRESENTS AN ESTIMATE OF
THE MEASURED FIRST INDICIA OF THE PROPERTY OF THE
PLURALITY OF FIRST CULTURE MEDIA

DETERMINE A TEST REQUIREMENT RELATING TO
THE MEASURED FIRST INDICIA

BASED ON THE RELATIONSHIP BETWEEN THE MEASURED FIRST
INDICIA AND AT LEAST ONE PARAMETER OF THE FIRST TEST
COMPOUNDS, IDENTIFY A SECOND TEST LIBRARY CONTAINING A
PLURALITY OF SECOND TEST COMPOUNDS AS COMPONENTS OF
A PLURALITY OF SECOND CULTURE MEDIA WHICH ARE EACH
PREDICTED TO PROVIDE INDICIA OF THE PROPERTY THAT
SATISFIES THE TEST REQUIREMENT

FIG. 1

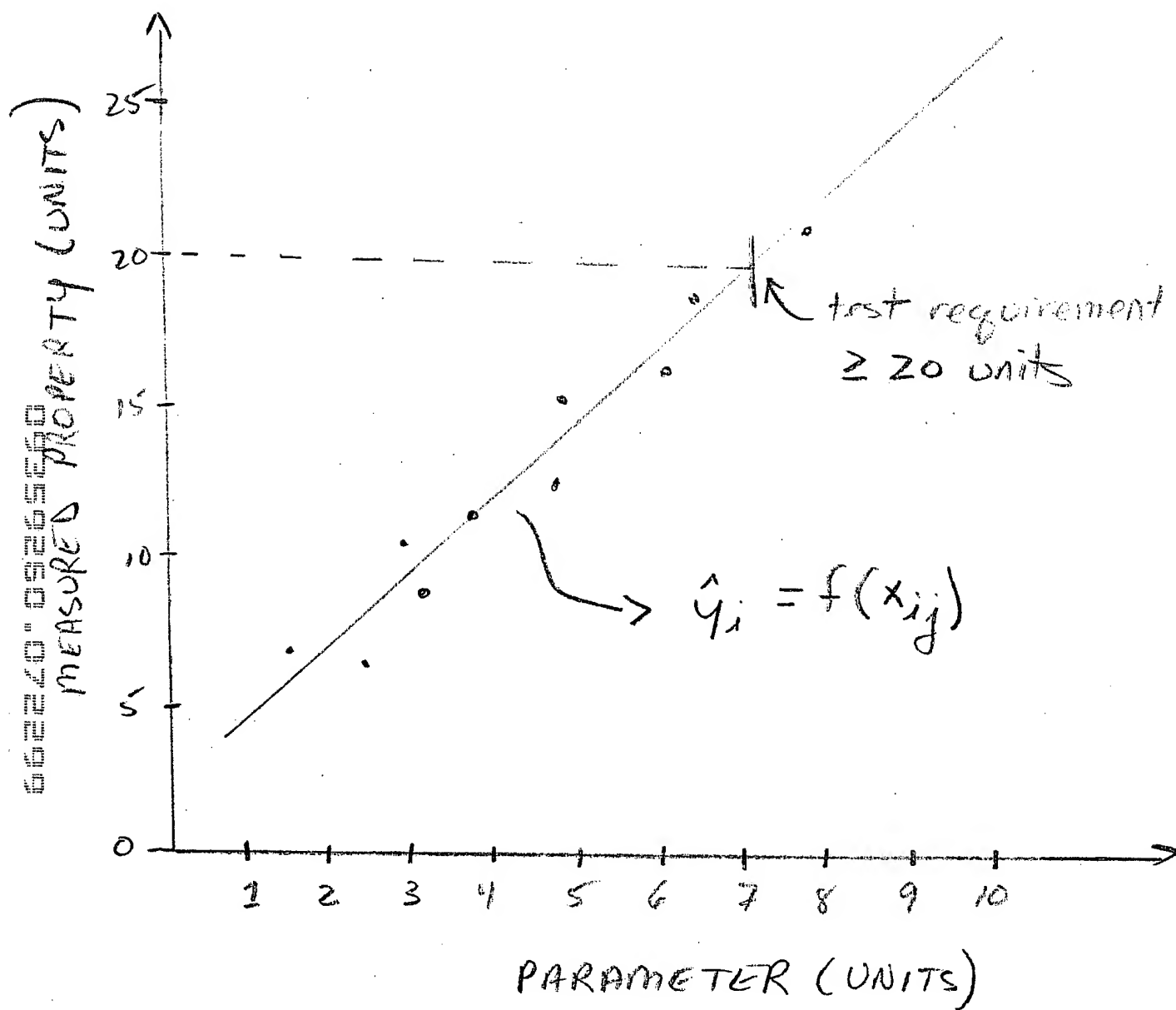


FIG. 2

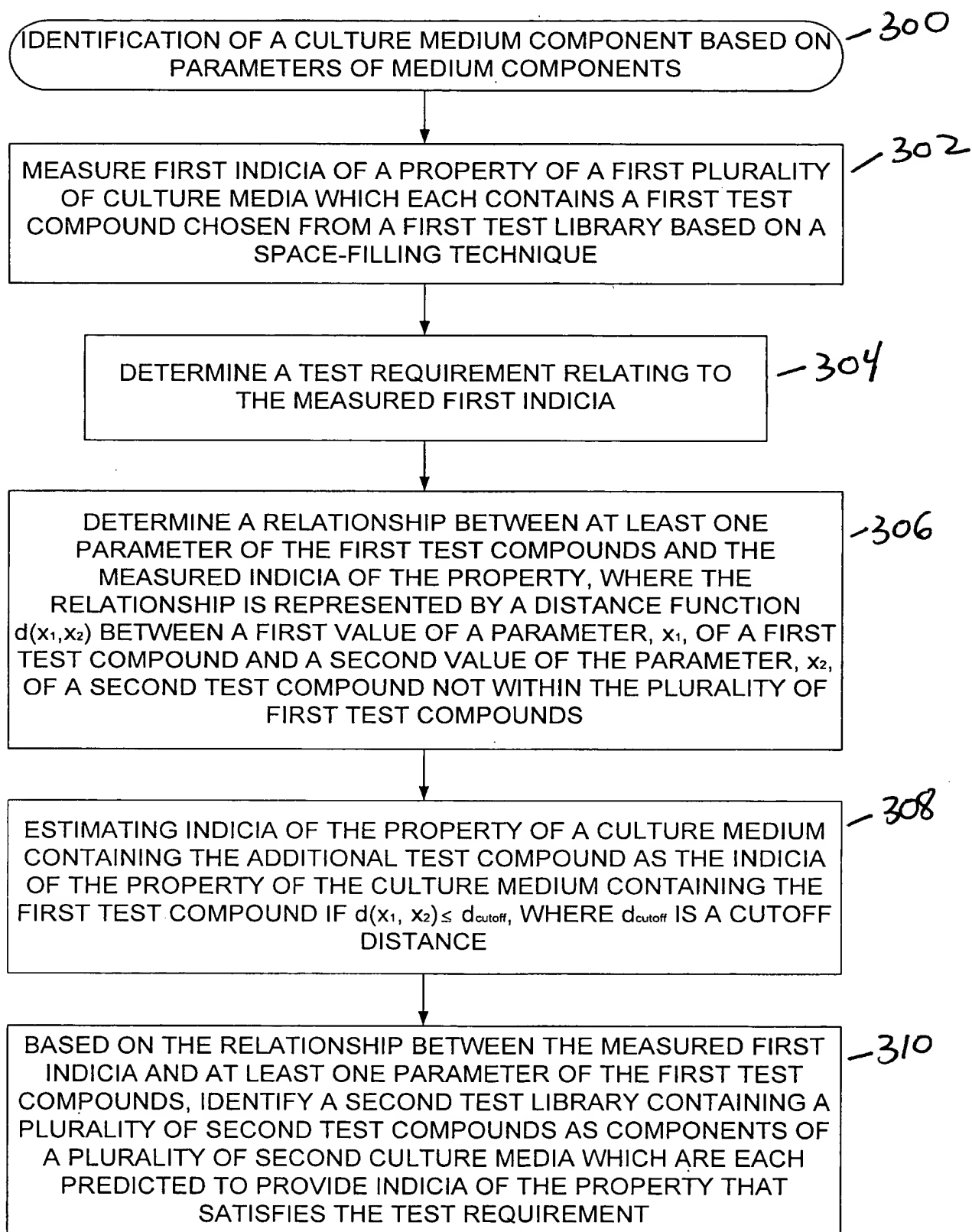


FIG. 3

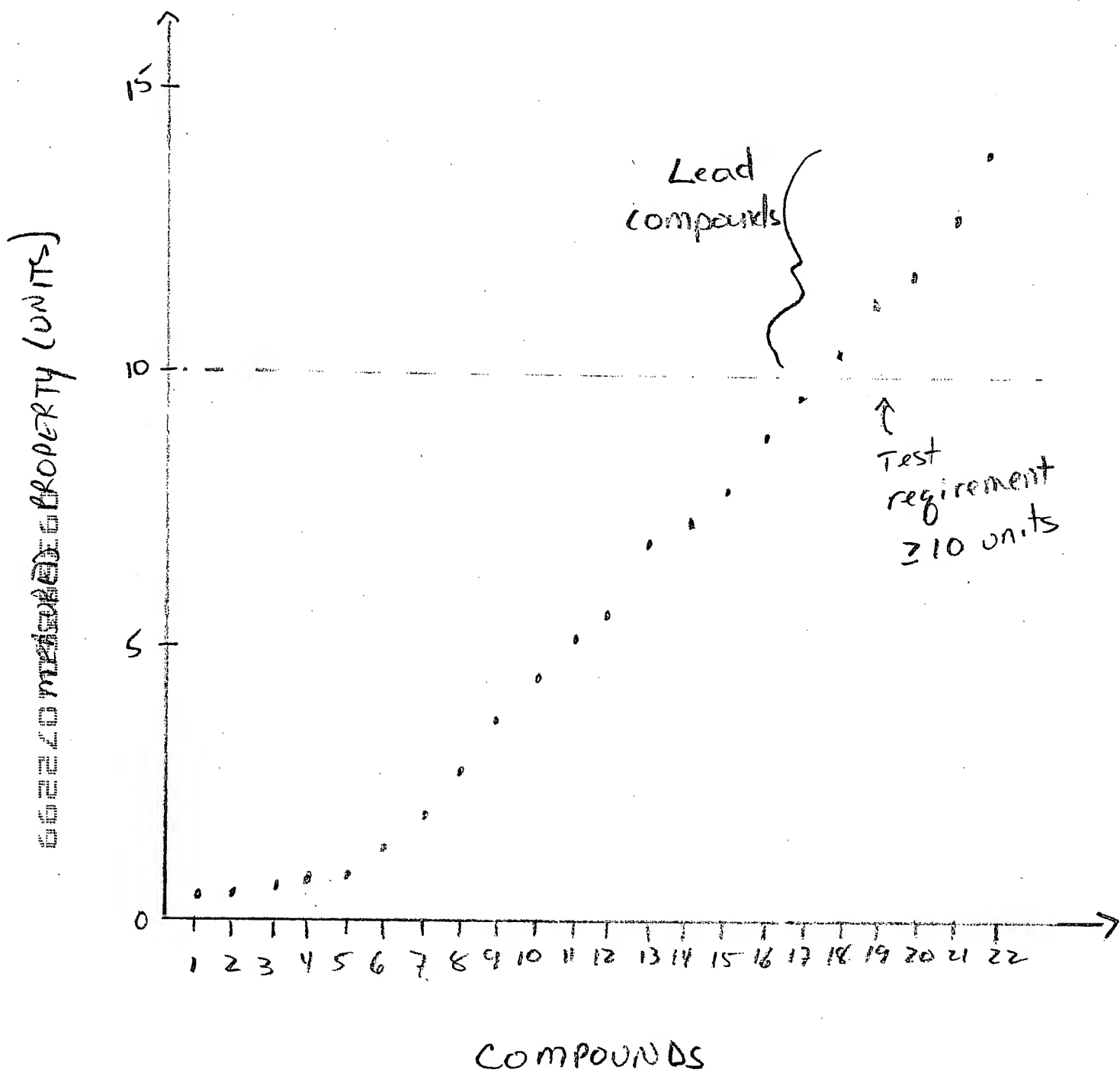


FIG. 4A

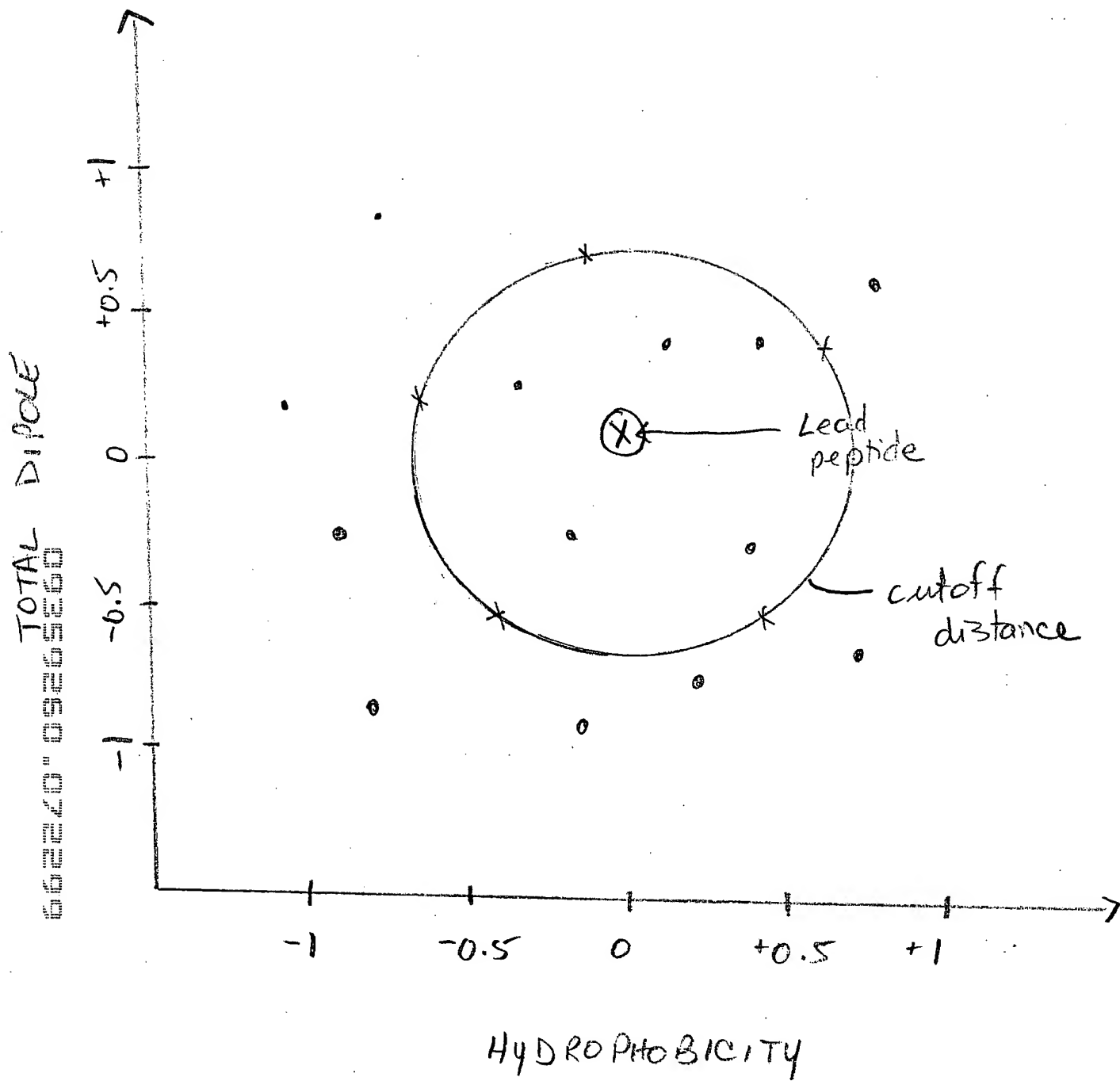


FIG. 4B

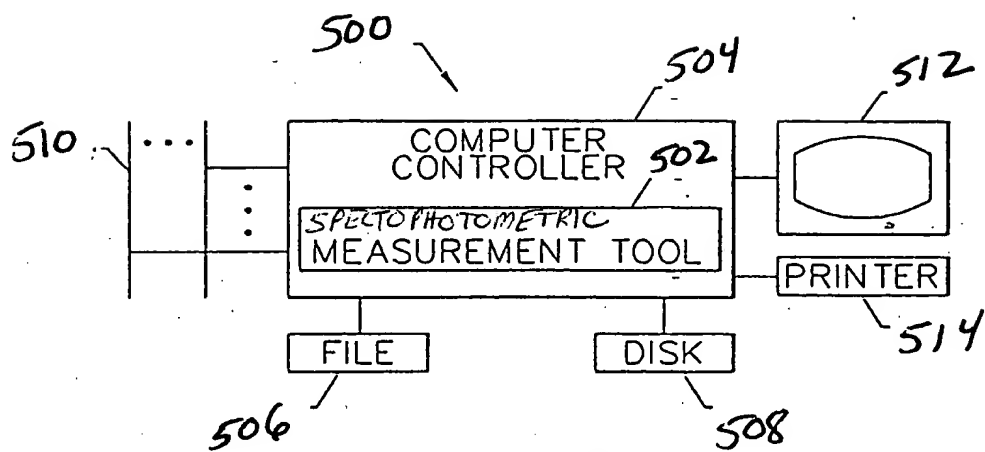


FIG. 5

09350250 072200

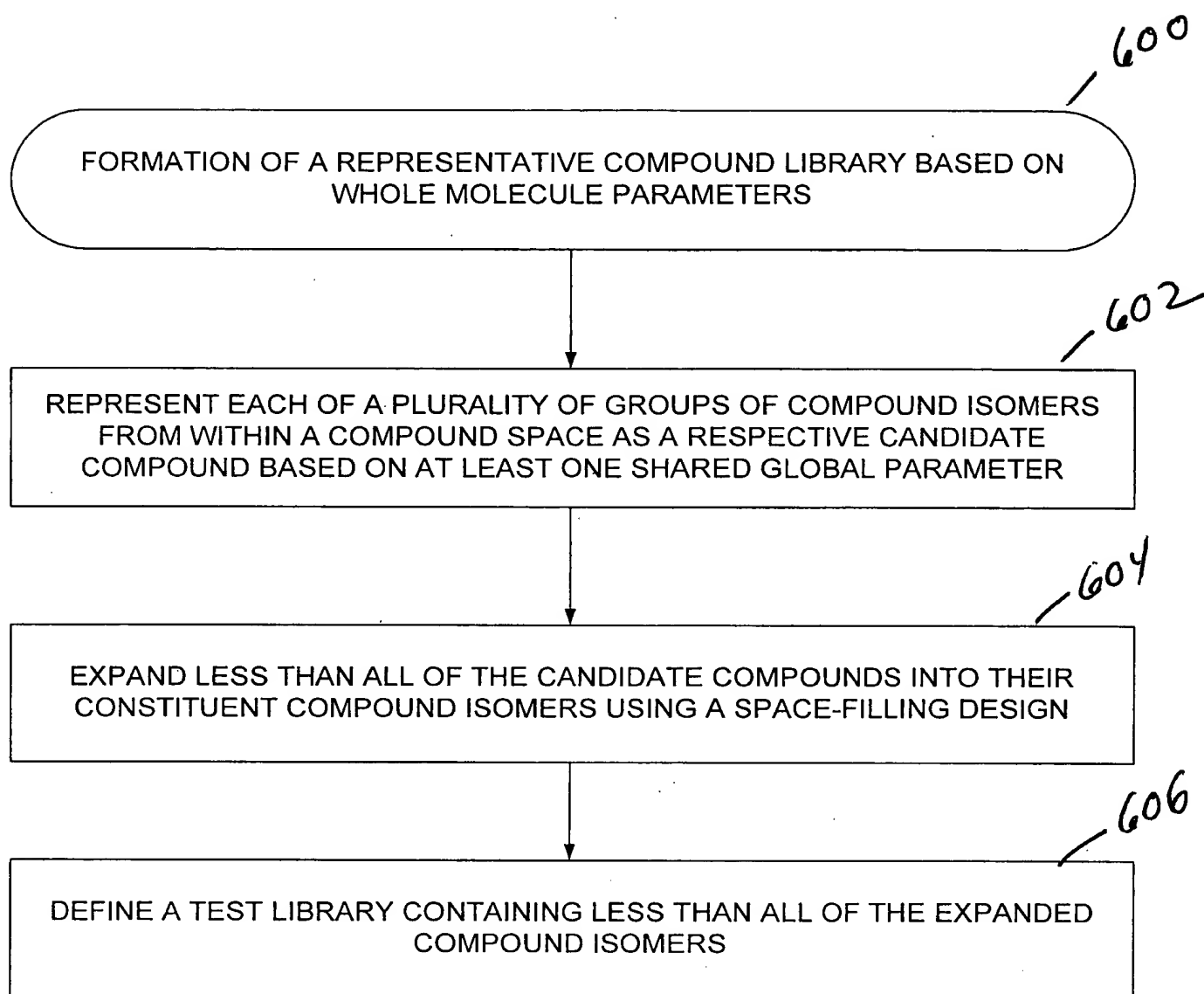


FIG. 6

09259260 072299 662240 09265260

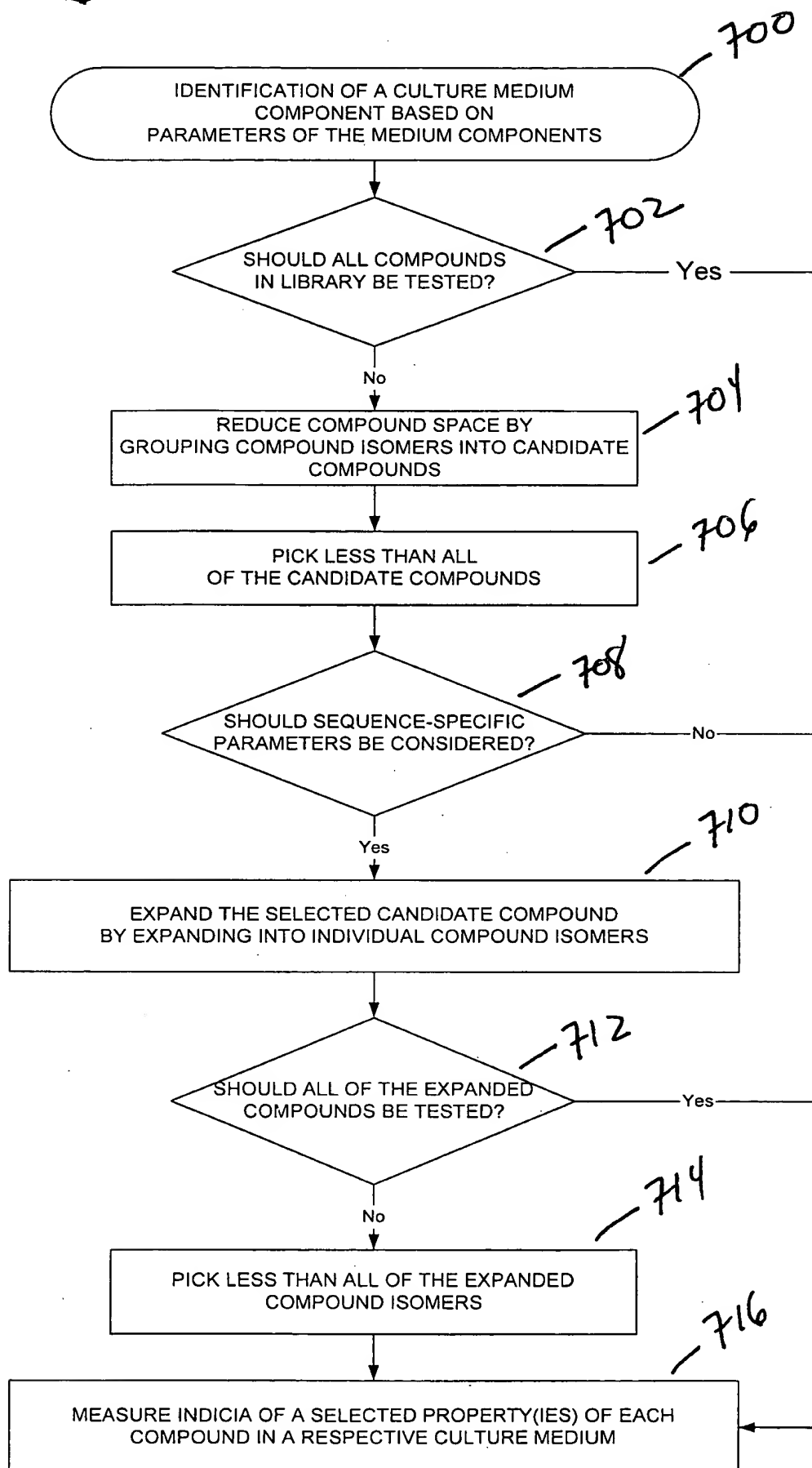


FIG. 7

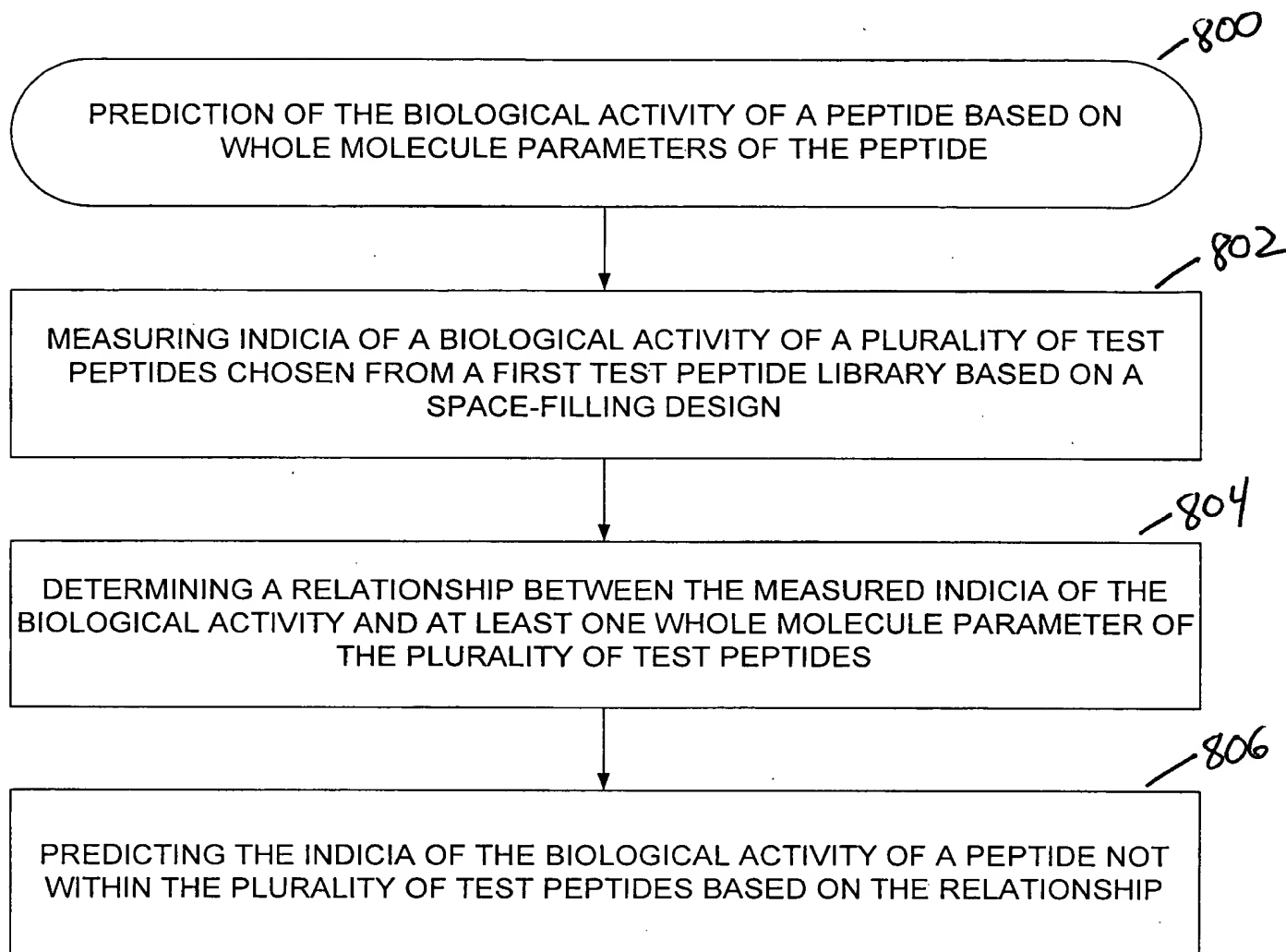


FIG. 8